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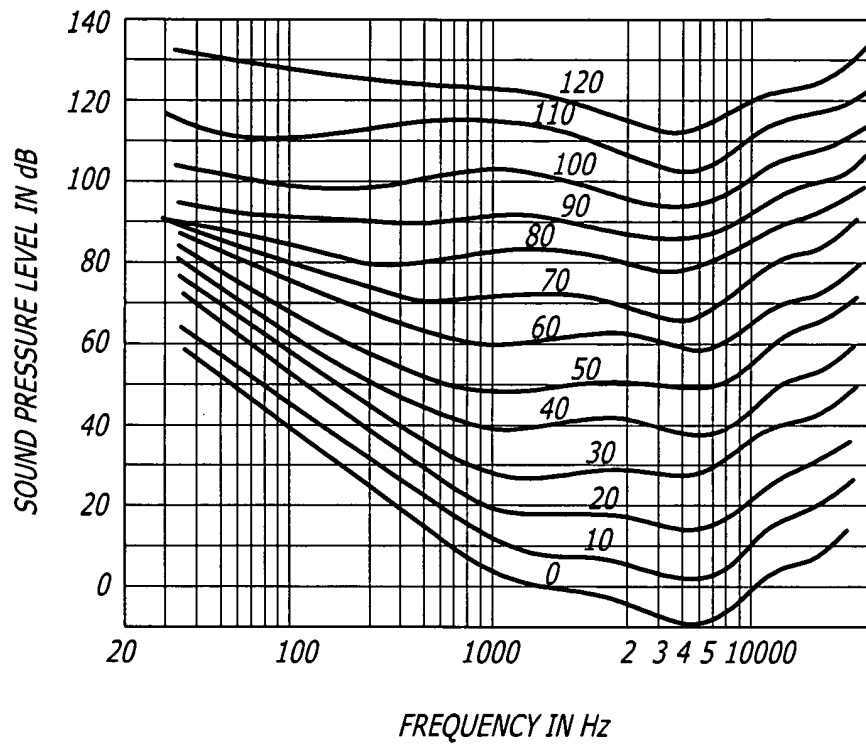


FIG. 1

FREQUENCY IN Hz
FLETCHER-MUNSON CURVES

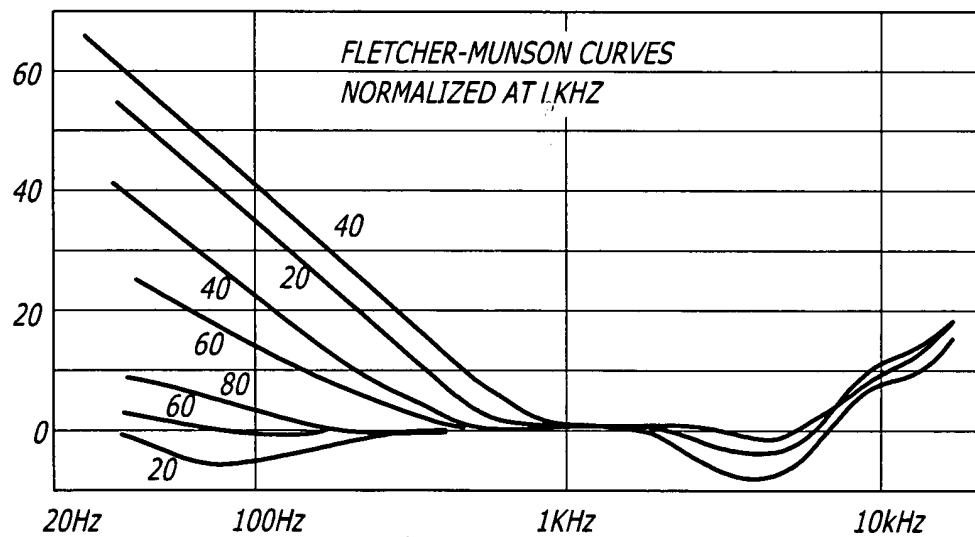


FIG. 2

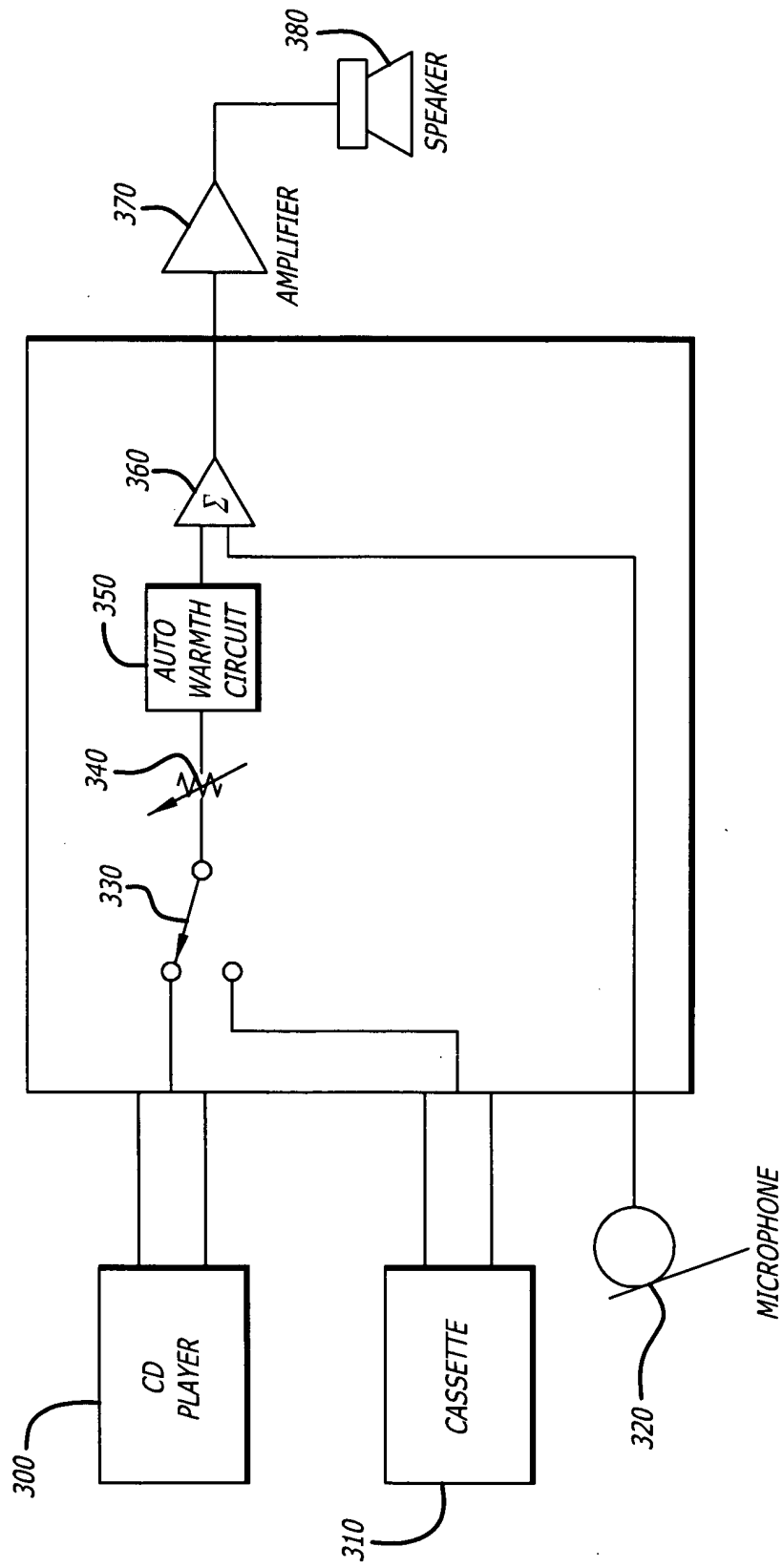


FIG. 3

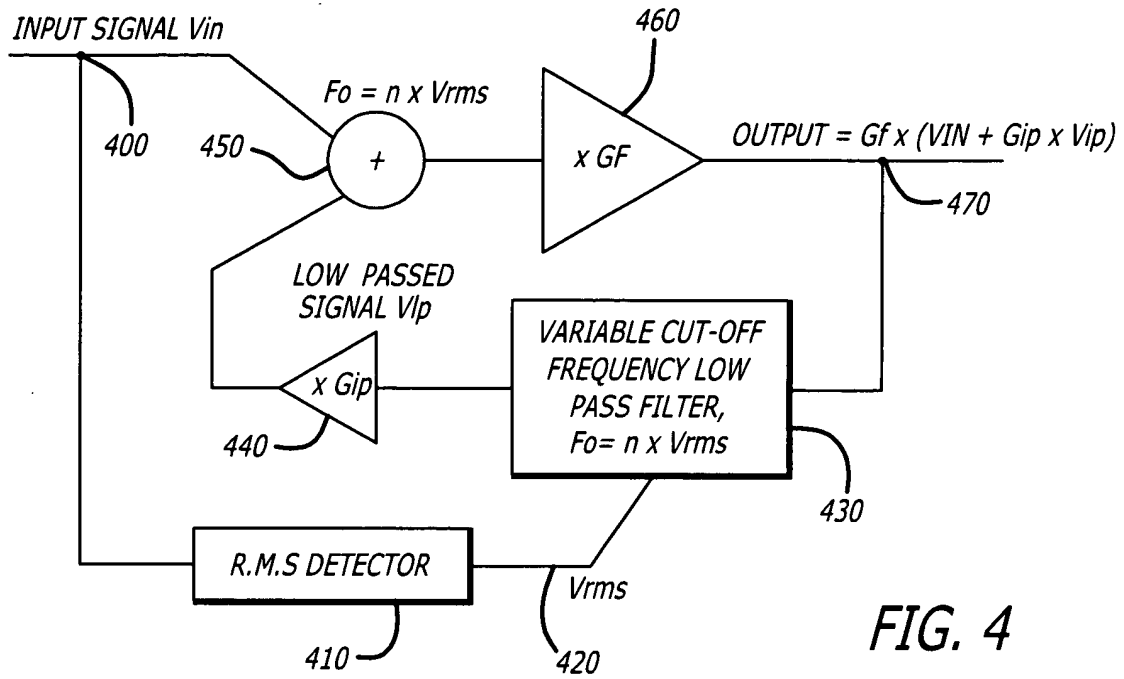


FIG. 4

FIG. 6

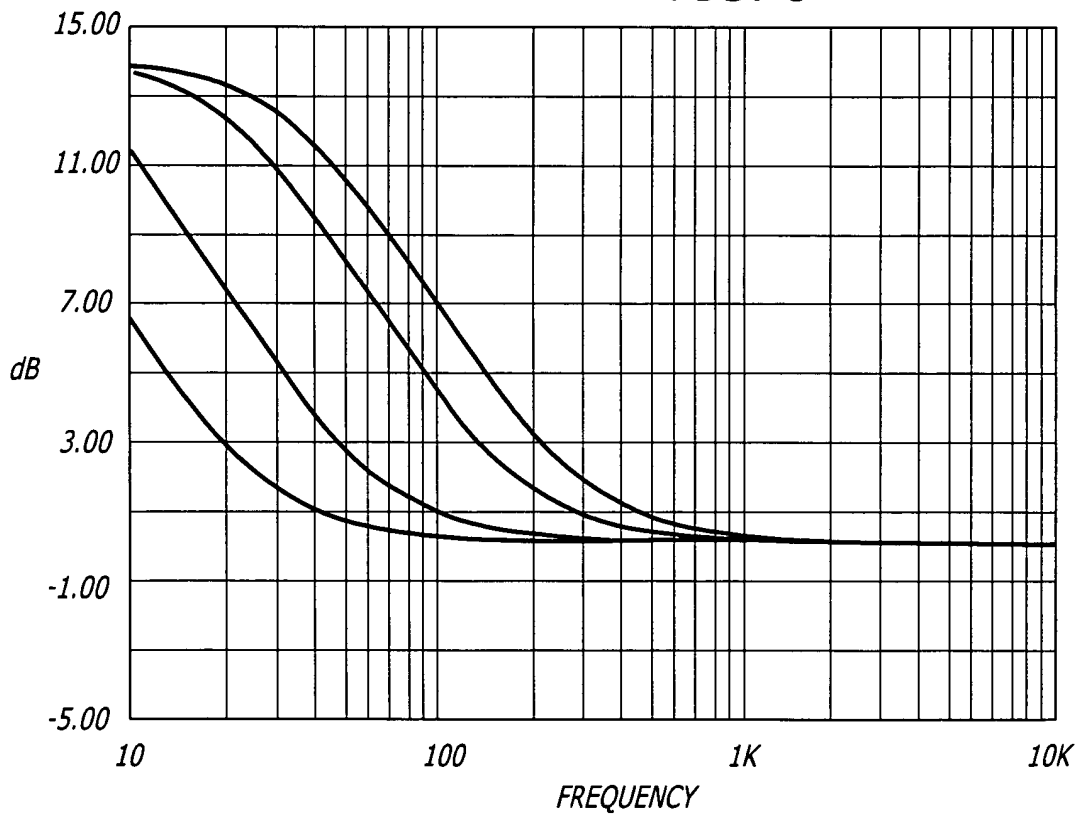


FIG. 5A

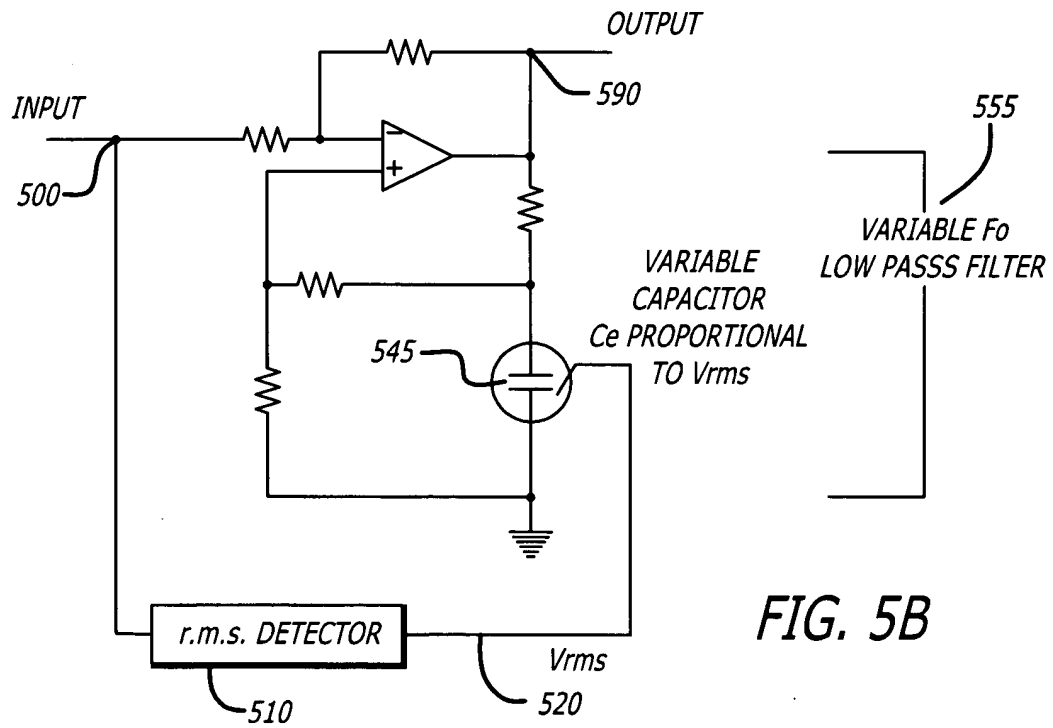
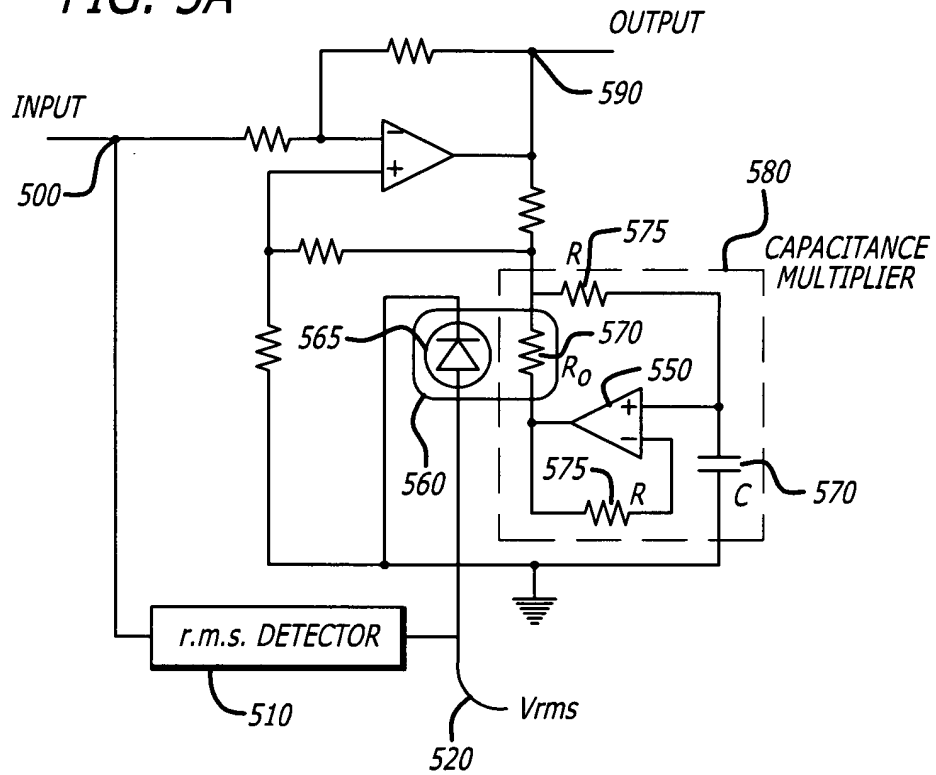
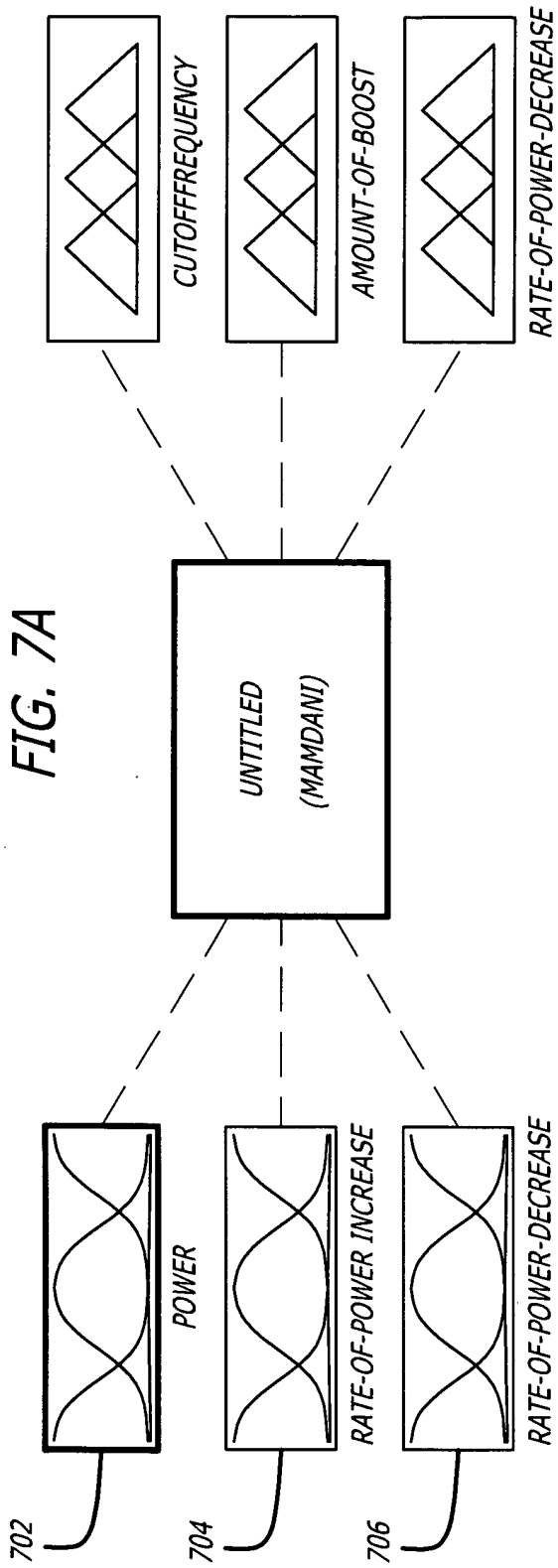
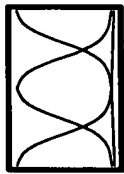


FIG. 5B

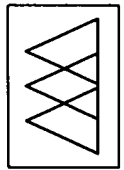


FIS Name: Untitled		FIS Type: manictani	
And method	<input type="text" value="min"/>	Current Variable	<input type="text" value="Power"/>
Or method	<input type="text" value="max"/>	Name	input
Implication	<input type="text" value="min"/>	Type	[0 10]
Aggregation	<input type="text" value="max"/>	Range	
Defuzzification	<input type="text" value="centroid"/>	<input type="button" value="Help"/> <input type="button" value="Close"/>	
Ready			

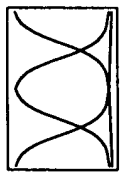
FIS VARIABLES



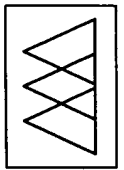
POWER



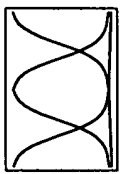
CUTOFF FREQUENCY



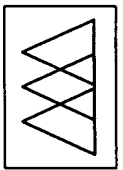
STATE OF
POWER INCREASE



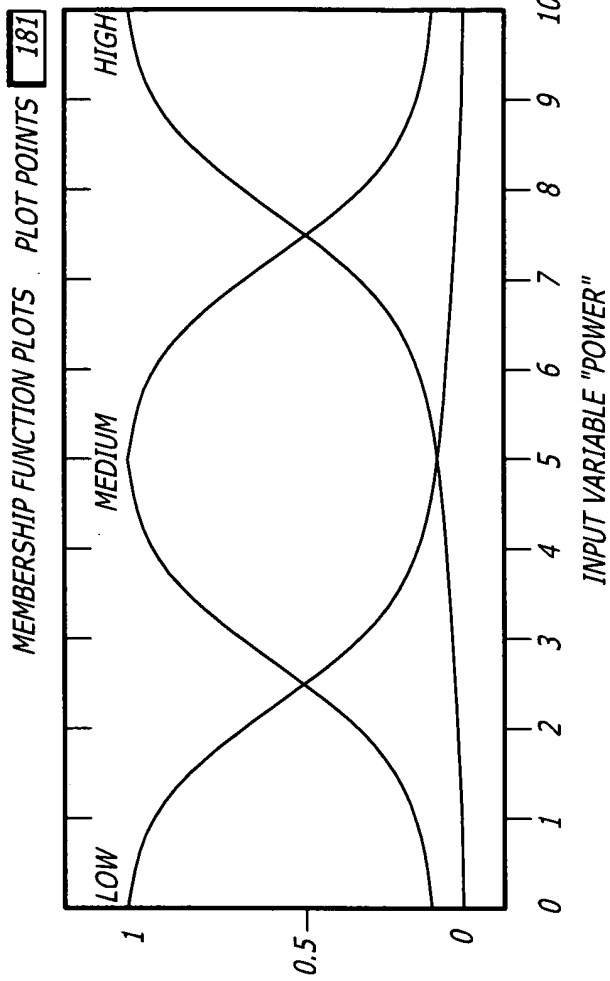
AMOUNT OF
BOOST



STATE OF
POWER DECREASE



AMOUNT OF
ATTENUATION



<p>Current Variable</p> <p>Name: <input type="text"/></p> <p>Type: <input type="text"/></p> <p>Range: <input type="text"/></p> <p>Display Range: <input type="text"/></p> <p>Ready</p>		<p>Current Membership Function (click on MF to Select)</p> <p>Name: <input type="text"/></p> <p>Type: <input type="text"/></p> <p>Params: <input type="text"/></p> <p>Help <input type="button"/> Close <input type="button"/></p>	
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FIG. 7B

FIG. 7C

1. If (Power is medium) and (rate of decrease is medium) then (cut off frequency is medium)(amount of boost is high)(1)

2. If (Power is medium) and (rate of decrease is high) then (cut off frequency is large)(amount of boost is high)(1)

If

Power is

low

medium

high

none

☐ not

and

rate of power increase is

small

medium

high

none

☐ not

and

rate of power decrease is

small

medium

high

none

☐ not

Then

cut off frequency is

small

medium

high

none

☐ not

and

amount of boost is

small

medium

high

none

☐ not

Connection

☐ or

☒ and

Weight

1

☐ not

Delete rule

Add rule

Change rule

not

<<

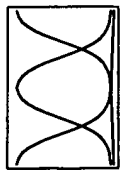
>>

Help

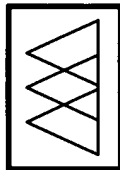
Close

The rule is added

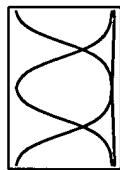
FIS VARIABLES



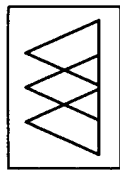
POWER



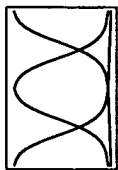
CUTOFF FREQUENCY



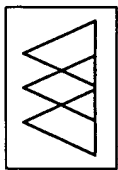
STATE OF
POWER INCREASE



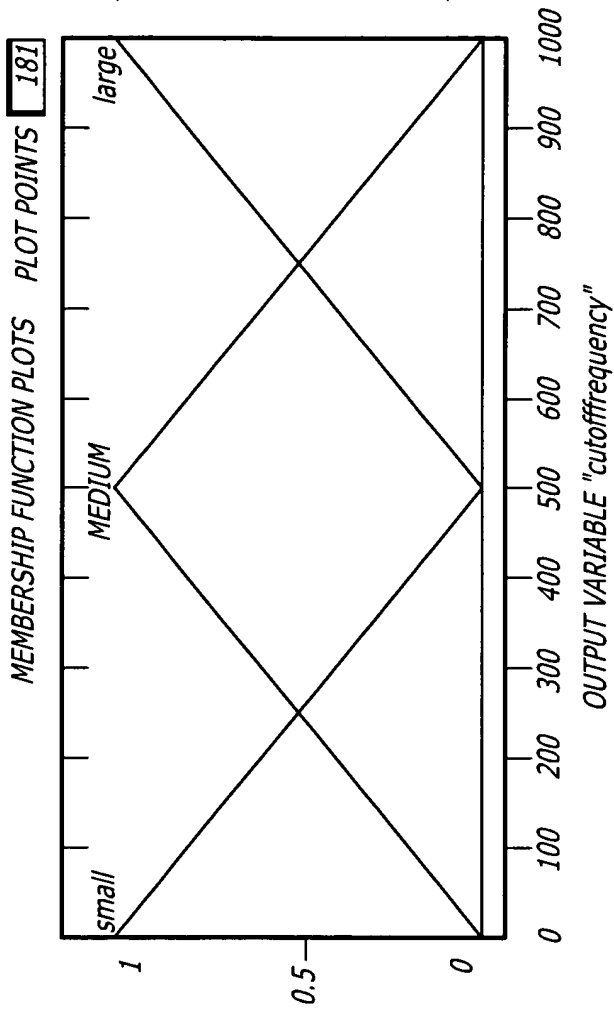
AMOUNT OF
BOOST



STATE OF
POWER DECREASE



AMOUNT OF
ATTENUATION



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<p>Current Variable</p> <p>Name: <input type="text"/></p> <p>Type: <input type="text"/></p> <p>Range: <input type="text"/></p> <p>Display Range: <input type="text"/></p> <p>Ready</p>		<p>Current Membership Function (click on MF to Select)</p> <p>Name: <input type="text"/></p> <p>Type: <input type="text"/></p> <p>Params: <input type="text"/></p> <p>Help <input type="button"/> Close <input type="button"/></p>	
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FIG. 7D

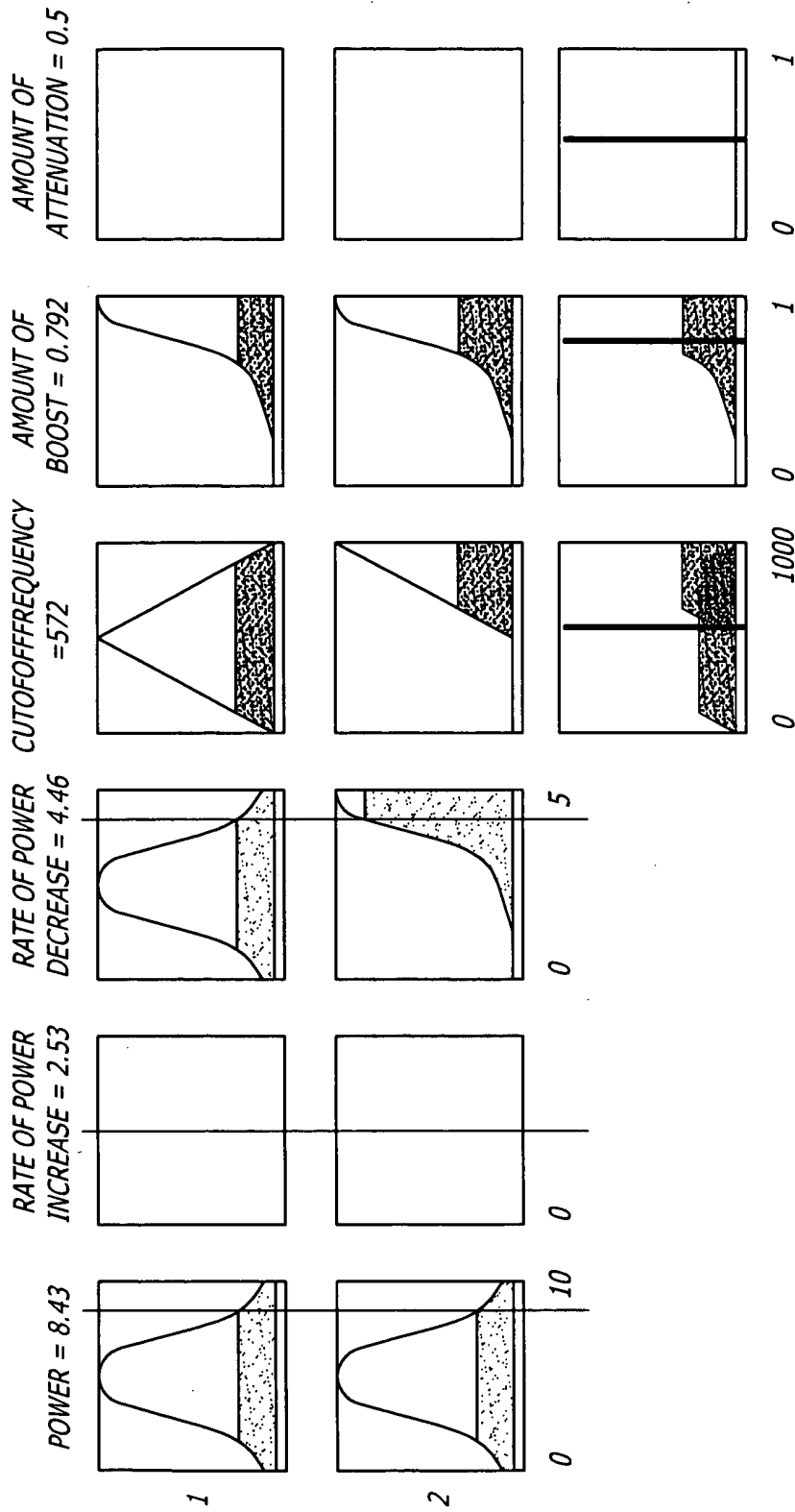


FIG. 7E

Input: [0 1000]

Plot points: [0 1000]

Move: left right up down

Help Close

Ready